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**From:** Janjic, Ksenija [Janjic.Ksenija@epa.gov]  
**Sent:** 4/18/2016 7:22:58 PM  
**To:** Villamizar, Nicole [Villamizar.Nicole@epa.gov]  
**CC:** Carusiello, Chris [Carusiello.Chris@epa.gov]  
**Subject:** RE: TCRS Draft Research Protocol for Internal Review  
**Attachments:** TCRS Research Protocol - Internal Review Draft 04-13-2016b cc kj.docx

Hi Nicole,

Attached are our comments. If we have another day, we can go back and potentially, fill in some of the information we suggest should be filled in. [Ex. 3 [CERCLA section 104(e)(7)(42 USC 9604(e)(7))]]

[Ex. 3 [CERCLA section 104(e)(7)(42 USC 9604(e)(7))]] There are a few other suggested verifications, though some of them might require a bit more of an involved outreach.

Ksenija Janjic  
Office of Resource Conservation and Recovery  
US Environmental Protection Agency  
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fax: 703 308 0522

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**From:** Villamizar, Nicole  
**Sent:** Thursday, April 14, 2016 8:06 AM  
**To:** Janjic, Ksenija <Janjic.Ksenija@epa.gov>  
**Cc:** Carusiello, Chris <Carusiello.Chris@epa.gov>  
**Subject:** FW: TCRS Draft Research Protocol for Internal Review

FYI, Fred mentioned the draft action plan is attached but he meant the research protocol/study design.

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**From:** Hauchman, Fred  
**Sent:** Thursday, April 14, 2016 8:04 AM  
**To:** Johnson, Barnes <Johnson.Barnes@epa.gov>; Morris, Jeff <Morris.Jeff@epa.gov>; Etzel, Ruth <Etzel.Ruth@epa.gov>  
**Cc:** Firestone, Michael <Firestone.Michael@epa.gov>; Chow, Rita <Chow.Rita@epa.gov>; Villamizar, Nicole <Villamizar.Nicole@epa.gov>; Carusiello, Chris <Carusiello.Chris@epa.gov>; Mooney, Charlotte <Mooney.Charlotte@epa.gov>; Winchester, Erik <Winchester.Erik@epa.gov>; McQueen, Jacqueline <McQueen.Jacqueline@epa.gov>; Guiseppi-Elie, Annette <Guiseppi-Elie.Annette@epa.gov>  
**Subject:** FW: TCRS Draft Research Protocol for Internal Review

Barnes, Jeff, Ruth –

Please see the message below and attached copy of the draft Federal Research Action Plan on Recycled Tire Crumb Used on Playing Fields. If you have any comments on the draft plan, please provide them to Annette Guiseppi-Elie by April 20.

Thanks,  
Fred

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Fred S. Hauchman, Ph.D.  
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**From:** Guiseppi-Elie, Annette  
**Sent:** Wednesday, April 13, 2016 11:46 PM  
**To:** Orme-Zavaleta, Jennifer ([Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)) <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>; Sonich-Mullin, Cynthia ([Sonich-Mullin.Cynthia@epa.gov](mailto:Sonich-Mullin.Cynthia@epa.gov)) <[Sonich-Mullin.Cynthia@epa.gov](mailto:Sonich-Mullin.Cynthia@epa.gov)>; Benson, William <[Benson.William@epa.gov](mailto:Benson.William@epa.gov)>; Thomas, Russell ([Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)) <[Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)>; Vandenberg, John ([Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)) <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Bahadori, Tina ([Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)) <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Slimak, Michael <[Slimak.Michael@epa.gov](mailto:Slimak.Michael@epa.gov)>; Gillespie, Andrew ([Gillespie.Andrew@epa.gov](mailto:Gillespie.Andrew@epa.gov)) <[Gillespie.Andrew@epa.gov](mailto:Gillespie.Andrew@epa.gov)>; Hines, Ronald ([Hines.Ronald@epa.gov](mailto:Hines.Ronald@epa.gov)) <[Hines.Ronald@epa.gov](mailto:Hines.Ronald@epa.gov)>; Crofton, Kevin ([Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)) <[Crofton.Kevin@epa.gov](mailto:Crofton.Kevin@epa.gov)>; Hauchman, Fred ([hauchman.fred@epa.gov](mailto:hauchman.fred@epa.gov)) <[hauchman.fred@epa.gov](mailto:hauchman.fred@epa.gov)>; Buckley, Timothy ([Buckley.Timothy@epa.gov](mailto:Buckley.Timothy@epa.gov)) <[Buckley.Timothy@epa.gov](mailto:Buckley.Timothy@epa.gov)>; Stanek, Lindsay ([Stanek.Lindsay@epa.gov](mailto:Stanek.Lindsay@epa.gov)) <[Stanek.Lindsay@epa.gov](mailto:Stanek.Lindsay@epa.gov)>; Garland, Jay ([Garland.Jay@epa.gov](mailto:Garland.Jay@epa.gov)) <[Garland.Jay@epa.gov](mailto:Garland.Jay@epa.gov)>; Costa, Dan <[Costa.Dan@epa.gov](mailto:Costa.Dan@epa.gov)>  
**Subject:** TCRS Draft Research Protocol for Internal Review

Dear All,

As you are aware EPA/CDC/CPSC is preparing to implement the Federal Research Action Plan (FRAP) on Recycled Tire Crumb Used on Playing Fields. The attached draft "Synthetic Turf Fields with Tire Crumb Rubber Infill Research Protocol" has been prepared to present the study design associated with the FRAP.

This draft is being provided for you as a courtesy for your feedback concurrently as it be undergoing internal EPA technical review and prior to undergoing external peer review.

I would appreciate your feedback by Wednesday April 20<sup>th</sup>. A revised and updated version is scheduled to be sent for external peer review by April 25<sup>th</sup>.

Do let me know if you have questions.

Thanks. Annette.

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NERL. USEPA/ORD  
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